

AMENDMENTS TO THE CLAIMS:

Please cancel claim 5 without prejudice or disclaimer, and amend the claims as follows:

1. (Currently Amended) A secondary battery comprising:

a positive electrode;

a negative electrode; and

an electrolyte disposed between said positive electrode and said negative electrode,

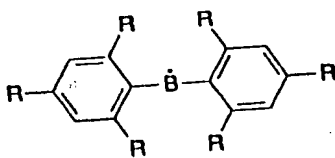
wherein active material of one of said positive electrode and said negative electrode

comprises a compound having boron radicals, and

wherein said compound has a spin concentration of higher than 10^{21} spins/g.

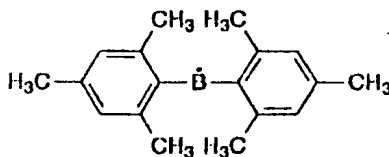
2. (Previously Presented) The secondary battery as set forth in claim 1, wherein said compound comprises at least one of an aromatic group and an alkyl group combined with said boron radicals.

3. (Previously Presented) The secondary battery as set forth in claim 2, wherein said compound is represented by the following structural formula:



wherein each R represents one of a hydrogen atom, a substituted hydrocarbon group and a non-substituted hydrocarbon group.

4. (Original) The secondary battery as set forth in claim 2, wherein said compound is represented by the following structural formula:



5. (Canceled)

6. (Previously Presented) The secondary battery as set forth in claim 1, wherein said compound comprises said boron radicals in a starting state.

7. (Previously Presented) The secondary battery as set forth in claim 1, wherein said compound comprises said boron radicals in an electrolytic reduction state.

8. (Previously Presented) The secondary battery as set forth in claim 1, wherein said compound comprises said boron radicals in an electrolytic oxidation state.

9-21. (Canceled)

22. (Previously Presented) The secondary battery as set forth in claim 1, wherein said active material of said negative electrode comprises said compound, and

wherein said active material of said positive electrode comprises one of a transition metal oxide, a compound having a sulfur-sulfur bond and a conductive polymer compound.

23. (Previously Presented) The secondary battery as set forth in claim 1, wherein said active material of said positive electrode comprises said compound, and

wherein said active material of said negative electrode comprises one of a carbon material, an amorphous carbon, a metal and a conductive polymer.

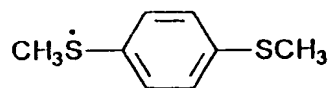
24. (Previously Presented) A secondary battery comprising:

a positive electrode;

a negative electrode; and

an electrolyte disposed between said positive and said negative electrode,

wherein an active material of one of said positive electrode and said negative electrode comprises a compound represented by the following structural formula:



25-26. (Canceled)

27. (Previously Presented) The secondary battery as set forth in claim 24, wherein said compound has a spin concentration of higher than 10^{21} spins/g.

28. (Previously Presented) The secondary battery as set forth in claim 24, wherein said compound comprises two different radical compounds.

29. (Previously Presented) The secondary battery as set forth in claim 24, wherein said compound is combined with a non-radical compound.

30. (Previously Presented) The secondary battery as set forth in claim 24, wherein said active material of said negative electrode comprises said compound, and
where said active material of said positive electrode comprises one of a transition metal oxide, a compound having a sulfur-sulfur bond and a conductive polymer compound.

31. (Previously Presented) The secondary battery as set forth in claim 24, wherein said active material of said positive electrode comprises said compound, and
where said active material of said negative electrode comprises one of a transition metal oxide, a compound having a sulfur-sulfur bond and a conductive polymer compound.

32. (New) A secondary battery comprising:

a positive electrode;

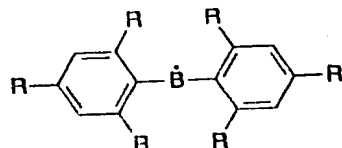
a negative electrode; and

an electrolyte disposed between said positive electrode and said negative electrode,

wherein active material of one of said positive electrode and said negative electrode

comprises a compound having boron radicals, and

wherein said compound is represented by the following structural formula:



wherein each R represents one of a hydrogen atom, a substituted hydrocarbon group and a non-substituted hydrocarbon group.

33. (New) A secondary battery comprising:

a positive electrode;

a negative electrode; and

an electrolyte disposed between said positive electrode and said negative electrode,

wherein active material of one of said positive electrode and said negative electrode comprises a compound having boron radicals, and

wherein said compound is represented by the following structural formula:

